

Police Vehicle Specifications

Specifications for **South Portland and Cape Elizabeth** police vehicles **2018** model year **Ford Utility Police Interceptors (K8A-500A)**

Number of **Utility Vehicles** to be bid: **4**

Address bid reply to: Purchasing Agent, 25 Cottage Road, South Portland, Maine 04106

Bid must be returned by: **January 29, 2018** at **2:00 p.m.**

Description

It is the purpose of these specifications to describe a vehicle to be used in Law Enforcement Work. The vehicle will be operated for long periods of time at normal traffic speeds, with frequent periods of idling; however, the vehicle must also be capable of fast acceleration and high speed performance. For this reason the vehicle must have an outstanding cooling system, braking system and handling characteristics.

The manufacturer in the selection and engineering of components will use materials and design practices that will produce the best vehicle in the industry, for the type of operation to which the vehicle is to be subject. Component parts and design shall be of the quality that will give maximum performance, durability and safety, and not merely meet minimum requirements of this specification.

The vehicle shall in all respects meet or exceed all requirements of the Federal Government and the State for the model year bid. The vehicle shall include all standard equipment normally sold and marketed to the retail public, unless specifically deleted by request.

Definition of terms relative to this specification and law enforcement vehicles are defined in "Terms and Definitions for Police patrol Cars", Law Enforcement Standards Program dated May, 1974, Stock Number 2700-00252, Price 60 cents, available Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Note: "SAE" refers to the Society of Automotive Engineers.

Optional equipment may not be part of the final bid order due to cost considerations. The City of South Portland reserves the right to accept or reject the bid of an individual dealership if it is determined to be in the best interest of the municipality.

Bidders are requested to make note of any individual specifications that are not available as a standard feature or option on the vehicle they are quoting for the bid process.

Illustrative & Technical Data

Bidder to submit with proposal, illustrative product brochures and technical data on vehicles and equipment proposed to be furnished. Color chart may be requested.

Warranty

Manufacturers standard warranty to apply

Other requirements:

Repair parts

It shall be the responsibility of the dealer and the manufacturer supplying the vehicles purchased to maintain an adequate stock of all regular and special parts in the area of the fleet operation. A special system shall be set up for expediting the procurement of "Hard to Get Items."

Service & Delivery

(Items required are indicated by an **X** in box at left of item.)

- Dealer Preparation, Conditioning and Full Service required prior to delivery.
- Special Pre delivery & Service schedule attached.
- No dealer pre delivery service required.
- Vehicle to be drop shipped direct to Department from assembly plant.

- Shipping instructions attached.
- Vehicle to be delivered as outlined in the attached delivery schedule.
- Please quote length of time for initial delivery, vehicles desired Spring 2016.
- Other:
- The dealer supplying and/or maintaining vehicles under this contract must arrange a system to expedite police vehicles in their service department.
- The vehicles secured under this contract will be maintained in department owned-operated repair shops: therefore, a manufacturer's technical service representative shall contact the department at least once every 30 days for a minimum of 12 months after delivery of the vehicles.

(Department to **X** or complete those items required)

Vehicles to be used in the following type service: **Municipal Police**

Year model 2018 Body style **Utility** Series: Low Middle High
 Wheelbase _____ inch/minimum _____ inch/maximum

Other Description: **Small Wheel Caps**

Engine: 3.7L V6 TI-VCT FFV (99R)

Carburetor Type **MPFI** Exhaust: Single Dual
 Replaceable element oil filter, air cleaner, gas filter, other requirements
 External Crankcase Oil Cooler required

Performance Vehicle shall be capable of accelerating from 0 to 60 MPH / 0 to 100 KM/PH in _____ seconds with a minimum top speed of _____ MPH/KM/PH (clean car)

Other requirements:

Transmission Manual Transmission _____ Speed

- Automatic Transmission Minimum 6 Speed forward and 1 reverse (**44C**)
- Engineered for maximum durability and performance for the model bid
- Other requirements: **Heavy Duty**
- Low Gear Lock Out required
- Auxiliary Transmission Oil Cooler required

Rear Axle Manufacturer to select axle ratio which will provide the best overall performance and of the heaviest duty available for this model.

Other requirements:

Limited Slip Differential required.

Cooling System: To be equipped with the maximum cooling system available.

Other requirements: _____

Closed Coolant Recovery System required.

Suspension

- Standard suspension as designed for the retail public.
- Heavy Duty suspension as marketed to the retail public.
- Maximum handling package designed to limit body roll, allow flat cornering, limit dive on harsh

or severe braking and limit squat on fast acceleration to proven optimum handling.

The following **X** items are to be included:

- Extra control front and rear shock absorbers
- Extra heavy duty front & rear springs (or equal components)
- Front stabilizer bar to provide optimum handling
- Rear stabilizer bar to provide optimum handling
- Heavy duty frame or frame member reinforcement on unit frame
- Vehicle must have passed the current model year Los Angeles Police Handling Test for the model bid
- Other requirements: _____

Alternator 12 Volt **200** Amp (minimum)

Output to be rated by latest revision SAE std. J544

- Other requirements: **850 Cold Cranking Amps**

Battery 12 Volt **78** Amp Hour (20 Hour Rate) Rated by latest Rev SAE Std. J537

- Other requirements: _____
- See additional requirements attached
- Battery Heat Shield required

Exterior Color **(from standard order codes)**

The following **X** items are required:

- Fresh air heater and defroster - Integral
- Preferred Equipment Package
- Windshield Wipers - 3 speed or multiple speed
- Rear window defogger - blower type
- Rear window defroster - electric wire
- Heavy duty front seat cushion and back rest - bench type
- Heavy duty rear seat cushion and back rest
- Cloth front bucket seats and vinyl rear bench (**9W**)
- Split seat - front
- Single key locking system - individual car
- Single key locking system - all cars keyed alike (**59B -1284X**)
- Parking brake warning light
- Automatic parking brake release
- Air Conditioning - integral factory installed
- Tinted Glass - windshield only
- Tinted Glass - windshield and all side windows
- Dome/reading light with red and white lighting in the center of windshield header & in the rear cargo area

Brakes Requirements as indicated in selections:

- Standard Brakes as offered to the general retail public for model bid
- Heavy duty police fade resistant brakes
- Manual drum shoe

- Manual front disc, drum shoe rear
- Power disc front, drum shoe rear
- Power disc all four wheels with ABS.
- Brakes must meet or exceed the brake test attached.
- Brakes must have passed the current model year Los Angeles Police Brake Test for the model bid.
- Other requirements: **Dual Air Bag Restraint System**

Radio suppression Radio frequency interference suppression measures and devices shall be incorporated into the vehicle so that interference generated does not exceed the limits established in SAE Standard J-551 entitled "Measurement of Vehicle Radio Interference (30 to 40 megacycles)" and Military Standards.

- See Additional requirements attached
- Other requirements:

Wheels Heavy duty 18 inch diameter _____ inch wide rim Other requirements: _____

Tires: tubeless BSW WSW
 Bias Ply Bias Belted Radial
 Type of Cord and/or Belt: _____

- Other requirements:
- See additional requirements attached
- Tires must be certified for police use up to 125 MPH/200 KM/PH (sustained speed) by tire and auto manufacture.

Speedometer Certified calibrated with two (2) MPH/three (3) KM/PH increments.

Face to read: 0 MPH to _____ MPH - 0 KM/PH to _____ KM/PH

Instrument error to be a maximum plus or minus one (1) MPH/ two (2) KM/PH at all speeds between 10 to 100 MPH / 16 to 160 KM/PH, and geared to the road with the most accurate pinion gear available.

- Other requirements:
- See additional requirements attached
- Not required

Steering Manual Steering Power Steering

- Other requirements: _____
- See additional requirements attached
- Independent Power Steering Oil Cooler required
- Standard dome light with map or reading lights
- Ash tray light
- Glove box light
- Luggage compartment light
- Under hood or engine compartment light
- All standard courtesy lights as a group furnished to the retail trade
- Cigar lighter
- Dual horns
- Heavy duty rubber floor: front and rear

- Full Size Spare Tire
- Easy fuel capless fuel filler
- Deactivate Rear Doors / Windows
- Non Glare Day-Night interior rear view mirror
- Left hand outside manual mirror
- Right hand outside manual mirror
- Left hand outside remote mirror, Heated (549)
- Right hand outside remote mirror, Heated (549)
- Side marker LED sideview mirrors (63B)
- Remote deck lid release -- electric -- control on driver's side
- Remote deck lid release -- manual -- control on driver's side
- Bumper guards -- front
- Bumper guards -- rear
- Protective Body side moldings color-keyed, installed
- Tilt steering wheel
- Disconnect door courtesy light switches
- Power seat -- six-way
- Power seat -- four-way
- Power side windows
- Power tailgate window -- station wagon
- Power door locks
- AM Radio -- standard push-button
- AM / FM Radio with Clock
- Dash speaker _____ ohm _____ watt _____ inch/centimeter leads
- Oil pressure gauge
- Water temperature gauge
- Ammeter
- Halogen headlamps
- Spotlights required as follows: **6" LED mounted on left side front door post (51T)**
- Front license plate bracket (153)

Standard per vehicle price as specified: _____

Optional per vehicle price quotations are requested for the following Options:

Ballistic Door Panel (Level III) for driver's door	(90D)	Per unit price _____
Ballistic Door Panel (Level IV+) for driver's door	(90F)	Per unit price _____
CD-ROM of the service manual		Per unit price _____
Hands free communications with programmable steering wheel mounted controls (53M) and (61S)		Per unit price _____
Rear View Camera (87R)		Per unit price _____
Reverse Sensing (76R)		Per unit price _____
Pre-wiring for grille LED lights, siren, speaker (60A)		Per unit price _____
Cargo wiring up-fit package (67G)		Per unit price _____
Front headlamp lighting solution (66A)		Per unit price _____
Tail Lamp lighting solution (66B)		Per unit price _____

18" 5-spoke full face wheel covers (65L)	Per unit price_____
Police wire Harness Connector lit –front (47C)	Per unit price_____
Police wire Harness Connector lit –rear (21P)	Per unit price_____
Front headlamp/Police Interceptor Housing Only (86P)	Per unit price_____
Vinyl Word Wrap –Police “reflective” (91F)	Per unit price_____
Police Engine Idle Feature (47A)	Per unit price_____
Cargo Storage Vault (63V)	Per unit price_____
Rear Console Plate (85R)	Per unit Price_____
Dark Car Feature (43D)	Per unit Price_____